

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Solanum melongena

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
6	IRON	Leaf	155.0	1140.0	1.9690226366879802	--
3	ASPARTIC-ACID	Fruit	1770.0	21933.0	1.546878834868426	--
0	PROTEIN	Leaf	46000.0	338000.0	1.258517526558622	--
14	POTASSIUM	Fruit	620.0	32000.0	1.246017667470812	--
3	ALANINE	Fruit	420.0	6815.0	1.2213348773621473	--
0	PROTEIN	Fruit	10000.0	200000.0	1.2132114250920008	--
7	HISTIDINE	Fruit	240.0	3098.0	0.9713247016759022	--
8	GLUTAMIC-ACID	Fruit	2010.0	24907.0	0.9081214434427236	--
14	ARGININE	Fruit	610.0	7559.0	0.8666934936061291	--
7	PHENYLALANINE	Fruit	430.0	5700.0	0.8233976027651438	--
15	RIBOFLAVIN	Fruit	0.2	8.8	0.8118416330229257	--
4	THREONINE	Fruit	380.0	4957.0	0.8061528762968172	--
4	PHOSPHORUS	Fruit	189.0	5836.0	0.7957998698651753	--
2	LEUCINE	Fruit	570.0	8550.0	0.733184855037323	--
12	GLYCINE	Fruit	320.0	5452.0	0.7146509891235451	--
0	WATER	Fruit	905000.0	932000.0	0.701887807341757	--
3	ISOLEUCINE	Fruit	480.0	5948.0	0.69385559205837	--
1	SERINE	Fruit	410.0	5576.0	0.6824490244857101	--
24	PECTIN	Fruit		110000.0	0.6757406260764346	--
15	METHIONINE	Fruit	60.0	1487.0	0.6507865251225214	--
3	CADMIUM	Fruit	0.3	0.44	0.6495028374120245	--
0	ASH	Fruit	5000.0	80000.0	0.6043000371337302	--
31	THIAMIN	Fruit	0.4	10.0	0.5974378588358942	--
4	LYSINE	Fruit	510.0	6320.0	0.5712183730019429	--
0	VIT-B-6	Fruit	0.9	11.6	0.5706141826507274	--
12	COPPER	Fruit	0.6	20.0	0.5588968590110831	--
29	TRYPTOPHAN	Fruit	100.0	1239.0	0.5453137941894728	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	VALINE	Fruit	550.0	7063.0	0.5385150637140523	--
39	NIACIN	Fruit	0.9	98.0	0.49866149119833497	--
0	ASH	Leaf	20000.0	147000.0	0.49593862497003494	--
8	TYROSINE	Fruit	250.0	3593.0	0.48658905557737014	--
0	PROLINE	Fruit	460.0	5700.0	0.4647163008799166	--
28	CALCIUM	Fruit	120.0	5706.0	0.426840598946033	--
0	WATER	Leaf		864000.0	0.2811905966986211	--
15	FOLACIN	Fruit	0.1	2.6	0.22599548984028986	--
0	CARBOHYDRATES	Fruit	56000.0	811000.0	0.1503631190870276	--
112	ASCORBIC-ACID	Leaf	790.0	5809.0	0.09508108119872248	--
1	SODIUM	Fruit	20.0	2150.0	0.01993129892573381	--
28	CALCIUM	Leaf	2540.0	18676.0	0.016317964189042123	--
6	IRON	Fruit	3.0	137.0	0.015953893016905012	--
15	FIBER	Fruit	9000.0	137000.0	-0.04412858107153739	--
2	PHYTOSTEROLS	Fruit	70.0	867.0	-0.10096908067063935	--
53	BETA-CAROTENE	Fruit	0.0	6.0	-0.1392027372339869	--
14	MANGANESE	Fruit	1.4	40.0	-0.1397827079442096	--
77	ZINC	Fruit	18.0	25.6	-0.14145018530554254	--
5	ALUMINUM	Fruit	10.0	16.0	-0.21886666342156802	--
112	ASCORBIC-ACID	Fruit	13.0	947.0	-0.22560739335897823	--
3	SILVER	Fruit	0.07	0.18	-0.2326335722440055	--
13	MUFA	Fruit	90.0	1152.0	-0.23723505176556847	--
8	STEARIC-ACID	Fruit	50.0	620.0	-0.23810427520652352	--
65	MAGNESIUM	Fruit	85.0	1563.0	-0.262432085179481	--
0	FAT	Seed	198300.0	212000.0	-0.28121153976391855	--
9	OXALIC-ACID	Fruit		291.0	-0.290302603257368	--
27	LINOLEIC-ACID	Fruit	350.0	4337.0	-0.2942113792150734	--

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2	CYSTINE	Fruit	60.0	743.0	-0.3007218829033551	--
0	NITROGEN	Fruit	5400.0	10250.0	-0.30657531600355825	--
2	PALMITOLEIC-ACID	Fruit	10.0	124.0	-0.32276745123995193	--
0	SFA	Fruit	200.0	2478.0	-0.3247390343204114	--
7	CHLORINE	Fruit		520.0	-0.32740798930865816	--
13	PALMITIC-ACID	Fruit	140.0	1735.0	-0.3385253293728704	--
0	FAT	Fruit	1000.0	38000.0	-0.3510111464027894	--
0	KILOCALORIES	Leaf	150.0	2790.0	-0.3676485455513828	--
2	MOLYBDENUM	Fruit	0.5	0.56	-0.37300361855075087	--
60	SELENIUM	Fruit	0.001	0.002	-0.38569128420884563	--
0	LEAD	Fruit	1.4	1.6	-0.39569159590124203	--
4	PHOSPHORUS	Leaf	380.0	2794.0	-0.4006232793614677	--
0	ZIRCONIUM	Fruit	1.4	1.6	-0.4086521127915778	--
0	KILOCALORIES	Fruit	250.0	3370.0	-0.44129830166451617	--
4	PUFA	Fruit	420.0	5204.0	-0.4669820365024516	--
18	OLEIC-ACID	Fruit	80.0	991.0	-0.47310719239605886	--
24	CHROMIUM	Fruit	0.1	0.12	-0.4907782391173633	--
20	CHOLINE	Fruit		520.0	-0.49845392675688743	--
11	PANTOTHENIC-ACID	Fruit	0.8	10.0	-0.5169531369709149	--
2	COBALT	Fruit	0.07	0.08	-0.5254304770112033	--
2	ARSENIC	Fruit	0.004	0.004	-0.5317977344238474	--
3	NICKEL	Fruit	0.7	0.8	-0.53616469755112	--
0	FAT	Leaf	4000.0	29000.0	-0.5472316463900033	--
4	BORON	Fruit	1.0	8.0	-0.6428352237966085	--
11	LITHIUM	Fruit	0.28	0.32	-0.6571465938623504	--
0	TITANIUM	Fruit	0.35	0.4	-0.7446157728364686	--
15	ALPHA-LINOLENIC-ACID	Fruit	70.0	867.0	-0.7598366022655674	--

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1	MERCURY	Fruit	0.001	0.001	-0.7865389313824043	--
14	SULFUR	Fruit	126.0	152.0	-0.8787271029866058	--
35	TANNIN	Fruit		2000.0	-0.892385057681694	--
0	GLYCOALKALOIDS	Fruit	280.0	470.0	-1.0	--
0	CARBOHYDRATES	Leaf	66000.0	485000.0	-1.0087865737248196	--
0	BARIUM	Fruit	3.5	5.6	-1.0164107256085395	--
0	STRONTIUM	Fruit	2.0	5.6	-1.0194159189486323	--
0	SUGAR	Fruit	20000.0	30000.0	-1.0714878987679288	--
0	LYCOXANTHIN	Fruit				--
0	N-TRANS-P-COUMAROYL-OCTOPAMINE	Root				--
61	FERULIC-ACID	Root				--
16	LYCOPENE	Fruit				--
14	SUCROSE	Fruit				--
11	TYRAMINE	Fruit				--
0	N-TRANS-FERULOYL-TYRAMINE	Root				--
0	LUBIMIN	Plant				--
0	N-TRANS-FERULOYL-OCTOPAMINE	Root				--
0	ARACHIDIC-ACID	Seed				--
2	NEO-CHLOROGENIC-ACID	Fruit				--
9	HCN	Fruit				--
0	BETA-AMINO-4-ETHYL-GLYOXALINE	Fruit				--
44	SCOPOLETIN	Fruit				--
4	TRYPTAMINE	Fruit				--
77	CHLOROGENIC-ACID	Fruit				--
11	SOLASONINE	Fruit				--
1	NASUNIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	ETHYL-CAFFEATE	Root				--
15	TRIGONELLINE	Fruit				--
18	SOLASODINE	Fruit				--
0	N-TRANS-P-COUMAROYL-TYRAMINE	Root				--
2	AUBERGENONE	Plant				--
0	DELPHINIDIN-P-COUMAROYL-MONORHAMNOSIDE-DIGLUCOSIDE	Fruit				--
26	SOLANINE	Fruit				--
0	DELPHINIDIN-3-RUTINOSIDE-3-(4'-COUMAROYL RUTINOSIDE) 5-GLUC...	Plant				--
2	9-OXO-NEROLIDOL	Plant				--
5	SOLANIDINE	Fruit				--
0	GAMMA-HYDROXYGLUTAMIC-ACID	Fruit				--
9	DELPHINIDIN	Fruit				--
15	5-HYDROXYTRYPTAMINE	Fruit				--
9	SOLAMARGINE	Fruit				--
22	GABA	Fruit				--
1	ISOSCOPOLETIN	Root				--
28	VANILLIN	Root				--
7	CYANIDIN	Fruit				--
102	CAFFEIC-ACID	Fruit				--
2	PIPECOLIC-ACID	Fruit				--